

CLAIMS

What is claimed is:

1. A device cutting off a power supply of a printer, the printer including a developer unit and a printer cover, the device comprising:
 - a first unit cutting off the power supply provided to the developer unit; and
 - a second unit cutting off power supply provided on the surface of the printer cover opposite to the developer unit so as to correspond to the first unit.
2. The device of claim 1, wherein the first unit comprises a protuberance opposing the printer cover when the printer cover is closed and the developer unit is mounted in the printer.
3. The device of claim 2, wherein the second unit comprises:
 - a power supply cutting-off module, wherein the power supply cutting-off module comprises:
 - a cap having an insertion hole into which the protuberance is insertable and
 - a switch module switchable to an 'ON' state when the protuberance is inserted into the insertion hole.
4. The device of claim 3, wherein an area of the developer unit around the protuberance is step-shaped and a shape of the power supply cutting-off module matches the area.
5. The device of claim 1, wherein the second unit comprises a protuberance opposing the developer unit when the printer cover is closed and the developer unit is mounted in the printer.
6. The device of claim 5, wherein the first unit comprises:
 - a power supply cutting-off module, wherein the power supply cutting-off module comprises:
 - a cap having an insertion hole into which the protuberance is insertable, and
 - a switch module switchable to an 'ON' state when the protuberance is inserted into the insertion hole.

7. The device of claim 3, wherein an area of the printer cover around the protuberance is step-shaped and a shape of the power supply cutting-off module matches the area.

8. The device of claim 3, wherein the protuberance is located in a corner of the developer unit, and the power supply cutting-off module is located in the printer cover such that the protuberance corresponds to the insertion hole.

9. The device of claim 6, wherein the power supply cutting-off module is located in a corner of the developer unit, and the protuberance is located in the printer cover corresponding to the insertion hole.

10. The device of claim 1, wherein the first unit comprises a plurality of protuberances formed opposing the printer cover.

11. The device of claim 10, wherein the second unit comprises:
a power supply cutting-off module, wherein the power supply cutting-off module comprises:
a cap having a plurality of insertion holes into which the plurality of protuberances are insertable, and
a switch module switchable to an 'ON' state when the plurality of protuberances are inserted into the plurality of insertion holes.

12. The device of claim 11, wherein the plurality of protuberances are separated from one another and the power supply cutting-off module comprises a plurality of power supply cutting-off module corresponding to the plurality of separated protuberances, respectively.

13. The device of claim 1, wherein the second unit comprises a plurality of protuberances formed so as to oppose the developer unit.

14. The device of claim 13, wherein the first unit comprises:
a power supply cutting-off module, wherein the power supply cutting-off module comprises:
a cap having a plurality of insertion holes into which the plurality of protuberances are insertable, and

a switch module switchable to an 'ON' state when the plurality of protuberances are inserted into the plurality of insertion holes.

15. The device of claim 14, wherein the plurality of protuberances are separated from one another, and the power supply cutting-off module includes a plurality of power supply cutting-off modules corresponding to the plurality of separated protuberances, respectively.

16. A device according to claim 3, wherein the power supply cutting-off module further comprises:

a switch operating the switch module and extending from a connecting point end of the switch over the switch module surface a predetermined distance, and

a power supply cutting-off button transferring operation of the switch to the switch module.

17. The device according to claim 6, wherein the power supply cutting-off module further comprises:

a switch operating the switch module and extending from a connecting point end of the switch over the switch module surface a predetermined distance, and

a power supply cutting-off button transferring operation of the switch to the switch module.